

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Claim 1. (Currently Amended) A data receiving method, comprising the steps of:

extracting required data from among received digital signal data to form extracted data, wherein the received digital signal data includes a program for execution by a computer;

decoding the extracted required data using a predetermined decoding key to form decoded data;

determining using a receiver terminal self-diagnosis function to determine whether the decoded data meets a predetermined standard including a matching of a decoding diagnostic code added to the required data during transmission and encrypted using the predetermined decoding key with a predetermined constant; and

deleting the decoded data when it is determined that the decoded data does not meet the predetermined standard, wherein the decoded data that is not deleted is supplied to the computer.

Claim 2. (Cancelled).

Claim 3. (Currently Amended) The data receiving method

according to Claim [[2]] 1, wherein the step of decoding includes decoding in real time for each packet of the extracted data.

Claim 4. (Previously Presented) The data receiving method according to Claim 3, wherein the step of determining includes determining whether decoding has been performed meeting the predetermined standard in real time for each packet of the extracted data.

Claims 5-6. (Cancelled).

Claim 7. (Previously Presented) The data receiving method according to Claim 4, wherein in the step of deleting, data which has not been decoded to meet the predetermined standard in real time is deleted in real time.

Claim 8. (Previously Presented) The data receiving method according to Claim 1, comprising the further step of determining that address data included in said received digital signal data is directed to a receiving side at which the data receiving method is used, before performing the step of decoding.

Claim 9. (Previously Presented) The data receiving method

according to Claim 1, wherein said predetermined decoding key is set by an external input.

Claim 10. (Previously Presented) The data receiving method according to Claim 1, wherein when said predetermined decoding key does not exist upon decoding a packet of the extracted data, the packet is deleted.

Claim 11. (Previously Presented) The data receiving method according to Claim 1, wherein a key identical to a key used at a transmitting side for transmitting the digital signal data is used as said predetermined decoding key.

Claim 12. (Previously Presented) The data receiving method according to Claim 1, further comprising the step of outputting only data treated as have been decoded to meet the predetermined standard.

Claim 13. (Currently Amended) A data receiving unit, comprising:

receiving means for receiving signals;

converting means for converting signals received by said receiving means into digital signal data;

data extracting means for extracting required data from among said digital signal data obtained by said converting means to form extracted data, wherein said digital signal data includes a program for execution by a computer;

decoding-key-setting means for setting a decoding key required for decoding the extracted data;

decoding means for decoding the extracted data by using the decoding key set by said decoding-key-setting means to form decoded data;

~~examination means~~ a receiver terminal employing a self-diagnosis function for examining the decoded data decoded by said decoding means based on a predetermined standard including a matching of a decoding diagnostic code added to the required data during transmission and encrypted using the predetermined decoding key with a predetermined constant; and

deletion means for deleting data determined by said examination means as have not been decoded to meet the predetermined standard, wherein the decoded data that is not deleted is supplied to the computer.

Claim 14. (Cancelled).

Claim 15. (Currently Amended) The data receiving unit

according to Claim [[14]] 13, wherein said decoding means decodes each packet of the extracted data in real time.

Claim 16. (Previously Presented) The data receiving unit according to Claim 15, wherein said examination means examines whether each packet of the extracted data has been decoded to meet the predetermined standard.

Claims 17-18. (Cancelled).

Claim 19. (Previously Presented) The data receiving unit according to Claim 16, wherein said deletion means deletes, in real time, data which has not been decoded according to the predetermined standard in real time.

Claim 20. (Previously Presented) The data receiving unit according to Claim 13, wherein when said decoding means determines that address data included in the converted data from said converting means is directed to said data receiving unit, said decoding means performs decoding.

Claim 21. (Previously Presented) The data receiving unit according to Claim 13, wherein said decoding-key-setting means sets

the decoding key based on an external input.

Claim 22. (Previously Presented) The data receiving unit according to Claim 13, wherein when the decoding key for decoding a packet of the extracted data does not exist, said deletion means deletes the packet.

Claim 23. (Previously Presented) The data receiving unit according to Claim 13, wherein a key identical to a key used at a transmitting side for transmitting said signals received at said receiving means is used as the decoding key set by said decoding-key-setting means.

Claim 24. (Previously Presented) The data receiving unit according to Claim 13, further comprising output means for outputting only data treated by said examination means as have been decoded to meet the predetermined standard.